

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 A46B13/04 A46B13/02 A46B5/00

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A46B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 960 503 A (DEL POZO Y MATTEI GILBERTO R) 5 October 1999 (1999-10-05) the whole document ---	1,2
X	US 4 796 321 A (LEE FU-KUEI) 10 January 1989 (1989-01-10) the whole document ---	1,2
X	US 5 400 468 A (DE PETRA ANDY) 28 March 1995 (1995-03-28) the whole document ---	1,2
X	US 4 397 056 A (MILLER ALBERT J) 9 August 1983 (1983-08-09) the whole document ---	1,2
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**X** Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\*** later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\*** document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\*** document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\*** document member of the same patent family

Date of the actual completion of the international search

20 November 2003

Date of mailing of the international search report

10. 12. 2003

Name and mailing address of the ISA

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Neiller, F

**FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-2

Rotating cleaning brush with pipe for feeding stream of fluid directly to rotating tool.

2. Claims: 3-6

Rotating cleaning brush with a hinged handle capable of being locked in different positions.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/07299

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 1 604 500 A (JACOB TANNENBAUM) 26 October 1926 (1926-10-26) the whole document ----	1,2
X	US 5 870 790 A (KLUGE LAWRENCE ET AL) 16 February 1999 (1999-02-16) the whole document ----	3,4
A	US 5 423 102 A (MADISON AVA) 13 June 1995 (1995-06-13) the whole document ----	3-6
A	US 5 950 268 A (MATOUSEK ROBERT A ET AL) 14 September 1999 (1999-09-14) the whole document -----	3-6

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 03/07299

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/07299

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5960503	A	05-10-1999	NONE	
US 4796321	A	10-01-1989	GB 2180444 A , B US 4799280 A	01-04-1987 24-01-1989
US 5400468	A	28-03-1995	AU 656326 B2 AU 8240291 A	02-02-1995 13-02-1992
US 4397056	A	09-08-1983	NONE	
US 1604500	A	26-10-1926	NONE	
US 5870790	A	16-02-1999	NONE	
US 5423102	A	13-06-1995	NONE	
US 5950268	A	14-09-1999	NONE	